UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/963,844	09/26/2001	Joseph E. Wilkes	APP 1304-US	9329

9941 7590 06/29/2005

TELCORDIA TECHNOLOGIES, INC.
ONE TELCORDIA DRIVE 5G116
PISCATAWAY, NJ 08854-4157

EXAMINER	
YAO, KWANG BIN	
ART UNIT	PAPER NUMBER
2667	

DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/963,844	WILKES ET AL.	
	Examiner	Art Unit	
	Kwang B. Yao	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *26 September 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *9/26/01*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Agrawal et al. (US 2002/0118656).

Agrawal et al. discloses a communication system comprising the following features: as described on page 3, [0025], [0031]; page 4, [0039], [0043]; regarding claim 1, a method for communicating in a system that includes at least a first base station (FIG. 2A, BASE STATION 220) connected to a packet network (FIG. 2A, BACKBONE NETWORK 255), the first base station (FIG. 2A, BASE STATION 220) serving a first cell (FIG. 2A, CELL 210), said method comprising: connecting a second base station (FIG. 2A, BASE STATION 220) to the packet network (FIG. 2A, BACKBONE NETWORK 255); the second base station (FIG. 2A, BASE STATION 220) automatically identifying the first base station (FIG. 2A, BASE STATION 220); receiving, at the first base station (FIG. 2A, BASE STATION 220), communications from a wireless device in the first cell (FIG. 2A, CELL 210) served by the first base station (FIG. 2A, BASE STATION 220); and handing off the wireless device from the first cell (FIG. 2A, CELL 210) to a second cell (FIG. 2A, CELL 210) served by the second base station (FIG. 2A, BASE

STATION 220) by a two way exchange (FIG. 2A, LINK 250) of information between the first base station (FIG. 2A, BASE STATION 220) and the second base station (FIG. 2A, BASE STATION 220); regarding claim 2, the first base station (FIG. 2A, BASE STATION 220) and the second base station (FIG. 2A, BASE STATION 220) exchanging information over the packet network (FIG. 2A, BACKBONE NETWORK 255) to determine a coverage area for the second cell (FIG. 2A, CELL 210) served by the second base station (FIG. 2A, BASE STATION 220); regarding claim 3, wherein the step of the second base station (FIG. 2A, BASE STATION 220) identifying the first station includes: the second base station (FIG. 2A, BASE STATION 220) transmitting to a carrier database (FIG. 2A, ADDRESS SERVER 259) a message requesting addresses for other base stations connected to the packet network (FIG. 2A, BACKBONE NETWORK 255); the carrier database (FIG. 2A, ADDRESS SERVER 259) transmitting an address for the first base station (FIG. 2A, BASE STATION 220) to the second base station (FIG. 2A, BASE STATION 220); and the second base station (FIG. 2A, BASE STATION 220) transmitting a message to the first base station (FIG. 2A, BASE STATION 220) using the address for the first base station (FIG. 2A, BASE STATION 220); regarding claim 4, the second base station (FIG. 2A, BASE STATION 220) transmitting a message to a central database (FIG. 2A, ADDRESS SERVER 259) requesting an address for the carrier database (FIG. 2A, ADDRESS SERVER 259); and the central database (FIG. 2A, ADDRESS SERVER 259), in response to receiving the message from the second base station (FIG. 2A, BASE STATION 220), transmitting an address for the carrier database (FIG. 2A, ADDRESS SERVER 259) to the second base station (FIG. 2A, BASE STATION 220); regarding claim 5, wherein the step of the second base station (FIG. 2A, BASE STATION 220) identifying the first base station (FIG. 2A,

BASE STATION 220) includes: the second base station (FIG. 2A, BASE STATION 220) transmitting a broadcast message on the packet network (FIG. 2A, BACKBONE NETWORK 255); and the first base station (FIG. 2A, BASE STATION 220) transmitting a reply message to the second base station (FIG. 2A, BASE STATION 220) in response to receiving the broadcast message; regarding claim 6, wherein the wireless device includes a computer (FIG. 2A, MOBILE STATION 230); regarding claim 7, wherein the computer (FIG. 2A, MOBILE STATION 230) includes a personal digital assistant PDA (FIG. 2A, MOBILE STATION 230); regarding claim 8, wherein the wireless device uses the mobile Internet protocol (IP) to send the communication to the first base station (FIG. 2A, BASE STATION 220); regarding claim 9, wherein the first base station (FIG. 2A, BASE STATION 220) connects to the packet network (FIG. 2A, BACKBONE NETWORK 255) via an Ethernet compatible interface; regarding claim 10, a first base station (FIG. 2A, BASE STATION 220) that controls communications with one or more wireless devices in a first cell (FIG. 2A, CELL 210); a second base station (FIG. 2A, BASE STATION 220) that controls communications with one or more wireless devices in a second cell (FIG. 2A, CELL 210); and a packet network (FIG. 2A, BACKBONE NETWORK 255) connecting the first base station (FIG. 2A, BASE STATION 220) and the second base station (FIG. 2A, BASE STATION 220); wherein the first base station (FIG. 2A, BASE STATION 220) automatically identifies the second base station (FIG. 2A, BASE STATION 220) after being connected to the packet network (FIG. 2A, BACKBONE NETWORK 255); and wherein the first base station (FIG. 2A, BASE STATION 220) and the second base station (FIG. 2A, BASE STATION 220) engage in a two way information exchange (FIG. 2A, LINK 250) over the network to hand off one or more of the wireless devices in the first cell (FIG. 2A, CELL

210) from the first cell (FIG. 2A, CELL 210) to the second cell (FIG. 2A, CELL 210); regarding claim 11, wherein the first base station (FIG. 2A, BASE STATION 220) is further capable of engaging in a two way exchange (FIG. 2A, LINK 250) of information with the second base station (FIG. 2A, BASE STATION 220) to determine a coverage area for the first cell (FIG. 2A, CELL 210); regarding claim 12, wherein the first base station (FIG. 2A, BASE STATION 220) further transmits to a carrier database (FIG. 2A, ADDRESS SERVER 259) a message requesting addresses for other base stations connected to the packet network (FIG. 2A, BACKBONE NETWORK 255), receives from the carrier database (FIG. 2A, ADDRESS SERVER 259) an address for the second base station (FIG. 2A, BASE STATION 220), and transmits a message to the second base station (FIG. 2A, BASE STATION 220) using the address for the second base station (FIG. 2A, BASE STATION 220); regarding claim 13, wherein the second base station (FIG. 2A, BASE STATION 220) further transmits a message to a central database (FIG. 2A, ADDRESS SERVER 259) requesting an address for the carrier database (FIG. 2A, ADDRESS SERVER 259), receives from the central database (FIG. 2A, ADDRESS SERVER 259) the address for the carrier database (FIG. 2A, ADDRESS SERVER 259), and transmits a message to the carrier database (FIG. 2A, ADDRESS SERVER 259) using the address for the carrier database (FIG. 2A, ADDRESS SERVER 259); regarding claim 14, wherein the first base station (FIG. 2A, BASE STATION 220) further transmits a broadcast message on the packet network (FIG. 2A, BACKBONE NETWORK 255), and receives a reply message from the second base station (FIG. 2A, BASE STATION 220) in response to the broadcast message; regarding claim 15, wherein at least one of the wireless devices includes a cellular phone (FIG. 2A, MOBILE STATION 230); regarding claim 16, wherein at least one of the wireless devices includes a

computer (FIG. 2A, MOBILE STATION 230); regarding claim 17, wherein the computer (FIG. 2A, MOBILE STATION 230) includes a personal digital assistant PDA (FIG. 2A, MOBILE STATION 230); regarding claim 18, wherein the wireless device communicates with the first base station (FIG. 2A, BASE STATION 220) using mobile internet protocol IP; regarding claim 19, wherein the first base station (FIG. 2A, BASE STATION 220) connects to the packet network (FIG. 2A, BACKBONE NETWORK 255) via an Ethernet compatible interface; regarding claim 20, a base station (FIG. 2A, BASE STATION 220) for communicating with a wireless device, comprising: a network interface that connects to a packet network (FIG. 2A, BACKBONE NETWORK 255); an antenna interface that connects to an antenna for communicating with one or more wireless devices (FIG. 2A, MOBILE STATION 230) in a first cell (FIG. 2A, CELL 210) served by the base station; a memory that includes: a program for automatically identifying other base stations, and a program for engaging in a two way information exchange (FIG. 2A, LINK 250) with one of the other base stations to hand off, from the first cell (FIG. 2A, CELL 210) to a second cell (FIG. 2A, CELL 210) served by the other base station, one or more of the wireless devices in the first cell (FIG. 2A, CELL 210); and a processor that executes the program. See pages 1-4.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

La Porta et al. (US 6,763,007) discloses a two phase local mobility scheme.

Menzel et al. (US 2003/0176187) discloses a connection method.

Sawyer (US 6,603,972) discloses a handoff method.

Heller et al. (US 2002/0183089) discloses an improved arrangement for signaling.

Baba et al. (US 2002/0141360) discloses a method for realizing soft handoff.

Orsic (US 6,147,986) discloses a method for defining an address.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwang B. Yao whose telephone number is 571-272-3182. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H. Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KWANG BIN YAO
PRIMARY EXAMINER

Kwang B. Yao
June 24, 2005